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TR/TES/GS/DEG/CME/2024

Test Booklet Series

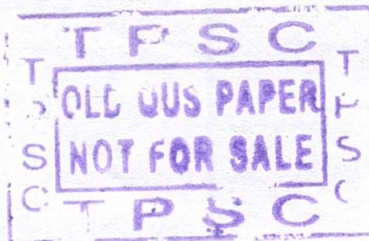
**TEST BOOKLET
GENERAL STUDIES
(DEGREE)**

B

(Signature of the Candidate)

(Invigilator's Signature)

Time Allowed – 1 hour (One hour)



Maximum Marks – 100

INSTRUCTIONS

1. IMMEDIATELY BEFORE THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET DOES NOT HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS ETC. IF SO GET IT REPLACED BY A COMPLETE TEST BOOKLET.
2. ENCODE CLEARLY THE TEST BOOKLET SERIES IN THE APPROPRIATE PLACE ON THE ANSWER SHEET BY BLACK BALL POINT PEN ONLY.
3. This Test Booklet contains 50 items (questions). Each question, carrying 2 (two) marks only, has four responses (answers). You will select the response which you want to mark on the Answer Sheet. In case you feel that there is more than one correct response, mark the response which you consider the most appropriate. In any case, choose ONLY ONE response for each item.
4. You have to mark all your responses by **Black Ball Point Pen** only on the separate Answer Sheet provided. See directions in the Answer Sheet.
5. All items carry equal marks.
6. Before you proceed to mark in the Answer Sheet the responses to various items in the Test Booklet, you have to fill in some particulars in the Answer Sheet.
7. After you have completed filling in responses on the Answer Sheet and the Examination is completed, you should handover the Answer Sheet to the Invigilator only. You are permitted to take the Test Booklet with you.
8. Sheets for rough work are appended on the Test Booklet at the end.
9. **Penalty for wrong and multiple answer(s) :**
 - (i) For each question for which a wrong answer / multiple answer has been given by the candidate, $\frac{1}{2}$ (half) mark will be deducted as penalty.
 - (ii) If a question is left blank, i.e., no answer is given by the candidate, there will be no penalty for that question.

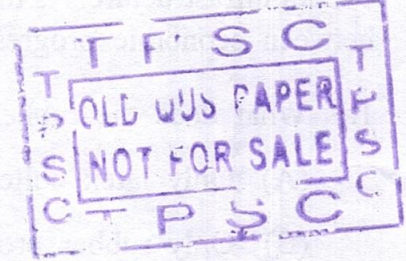
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PART - A

Four options are given against each of the following questions. Select the best / correct option from among the four options and encode in the answer sheet by using **Black Ball Point Pen** only as per example given below :

Example : The capital of India is

- (A) Delhi ☒ (B) New Delhi
(C) Indraprastha (D) None of these.



Read the passage given below carefully and answer the following questions.

(Questions No. 1 to 10)

The North-eastern Indian State of Tripura has been making significant strides in the agricultural sector, particularly in rubber plantation. The cultivation of rubber trees (*Hevea brasiliensis*) has emerged as a vital contributor to the State's economy, bringing about Socio-economic and environmental benefits.

The rubber industry has turned into a major economic driver in Tripura. The State's favourable climatic conditions and abundant rainfall provide an ideal environment for rubber cultivation. This has led to the establishment of numerous rubber plantations, providing employment opportunities for local residents. The rubber industry encompasses various satages, from tree planting and latex collection to rubber processing and product manufacturing. This entire value chain generates income for farmers, labourers, and factory workers, thus uplifting livelihoods and contributing to the State's revenue.

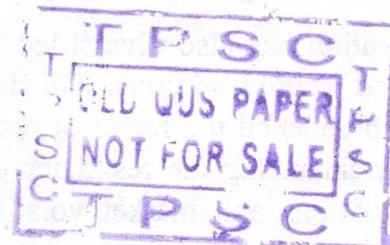
Beyond its economic benefits, rubber plantation in Tripura also holds environmental importance. Rubber trees play a significant role in carbon sequestration, aiding in the mitigation of climate change. These trees absorb carbon dioxide from the atmosphere, acting as a carbon sink. Furthermore, rubber plantations often incorporate sustainable practices that promote soil conservation and biodiversity preservation, making them eco-friendly contributors to the region's landscape.

Rubber cultivation has also diversified the agricultural portfolio of Tripura. Traditionally, the State relied heavily on crops like rice and jute. The introduction of rubber cultivation has not only broadened the range of products but also reduced the dependency on single-crop farming, enhancing the resilience of the agricultural sector against uncertainties like weather fluctuations and market volatilities.

The success of rubber cultivation has propelled the development of infrastructure in rural areas. Improved road networks, irrigation systems, and storage facilities have been established to support the rubber industry. This, in turn, benefits other sectors like transportation, trade, and local businesses.

The rubber plantation sector in Tripura is undeniably vital for the State's growth. It generates employment, fosters environmental sustainability, diversifies agriculture, and enhances overall infrastructure. As the industry continues to flourish, it is crucial to maintain a balance between economic progress and environmental conservation.

1. What does the rubber industry's value chain include ?
 - (A) Only latex collection
 - (B) Only rubber processing
 - (C) Tree planting to product manufacturing
 - (D) Only tree planting
2. What environmental benefit do rubber trees provide ?
 - (A) Soil erosion
 - (B) Carbon sequestration
 - (C) Air pollution
 - (D) Water conservation
3. How has rubber cultivation impacted Tripura's agricultural sector ?
 - (A) Reduced agricultural diversity
 - (B) Increased dependency on jute
 - (C) Enhanced resilience and diversity
 - (D) Reduced agricultural productivity
4. What climatic conditions favour rubber cultivation in Tripura ?
 - (A) Dry and arid climate
 - (B) Snowy and cold climate
 - (C) Favourable and rainy climate
 - (D) Hot and humid climate



5. The word “encompasses” in para. 2 might be replaced with _____.

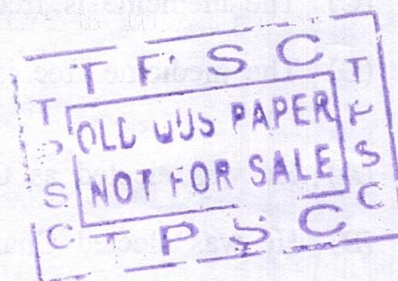
- (A) circles
- (B) decomposes
- (C) composed of
- (D) includes

6. How has rubber cultivation influenced rural infrastructure in Tripura?

- (A) It has improved road networks and other facilities
- (B) It has led to a decrease in infrastructure development
- (C) It has negatively impacted road networks
- (D) It has no impact on infrastructure

7. How do rubber trees contribute to biodiversity preservation?

- (A) By attracting pests and insects
- (B) By promoting monoculture
- (C) By providing habitat for various species
- (D) By causing soil degradation



8. Why is rubber plantation considered a significant economic driver in Tripura?

- (A) Because rubber trees grow faster than other trees.
- (B) Because rubber products have a high demand in international markets.
- (C) Because rubber cultivation requires minimal investment.
- (D) Because it provides employment opportunities in many fields other than agriculture and contributes to the State's revenue.

9. Which term best describes rubber trees' role in mitigating climate change?

- (A) Carbon emission
- (B) Carbon sink
- (C) Carbon footprint
- (D) Carbon release

10. How does rubber cultivation enhance the resilience of Tripura's agricultural sector ?

- (A) By decreasing crop diversity
- (B) By increasing dependence on a single crop
- (C) By reducing the impact of weather fluctuations and market uncertainties
- (D) By causing fluctuations in crop yield.

Direction for Q.No. 11-15

Find out the correct sentence from the options.

11. (A) The medicine is distributed freely.

(B) The medicine is distributed free.

(C) The medicine is free.

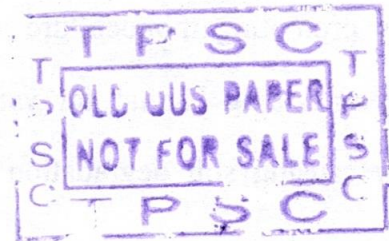
(D) The medicine free is distributed.

12. (A) He was elected as Chairman.

(B) He was elected Chairman.

(C) He was a Chairman elected.

(D) People elected him as a Chairman.



13. (A) He had his bath, ate his breakfast and after all went to School

(B) At last he went to School, had his bath and breakfast.

(C) After all he went to School before which he had his bath, ate breakfast.

(D) He had his bath, ate his breakfast and at last went to School.

14. (A) My house is little further than yours.

(B) My house is little further than you.

(C) My house is a little further than yours.

(D) My house is not very further from you.

15. (A) Let us discuss about the matter.
(B) Let us discuss of the matter.
(C) Let us discuss around the matter.
(D) Let us discuss the matter.

Direction for Q.Nos. 16-17

Indicate the word nearest in meaning to the underlined word—from the options given.

16. The Army Chief spoke of the strategic retreat of the enemies from the line.
(A) Whimsical (B) Surrendering
(C) Temporary (D) Calculated
17. We have no facts, so were reduced to conjecture.
(A) Rumours (B) Guess
(C) Gossip (D) Imagination.

Direction for Q.No. 18-19

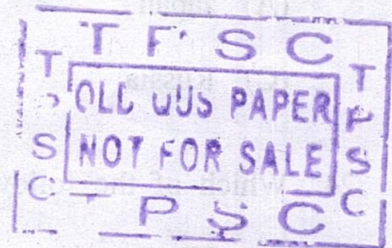
Choose a word opposite in meaning of the underlined word.

18. The man once had a friendly relation with Gopal.
(A) Cordial (B) Enmity
(C) Friction (D) Rancor
19. The man has the face of a simpleton but do not take him as he appears.
(A) A Coward (B) Villain
(C) Knave (D) None of these.

Direction for Q.No. 20

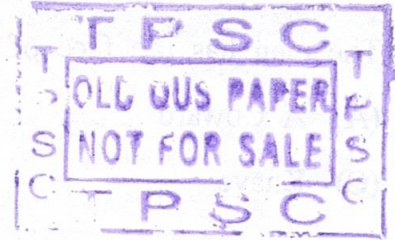
Indicate the group of words similar in meaning to the underlined expression.

20. I am sure he will play the game.
(A) Act strictly and honourably (B) Will manage efficiently
(C) Apply tricks (D) Will take the challenge.

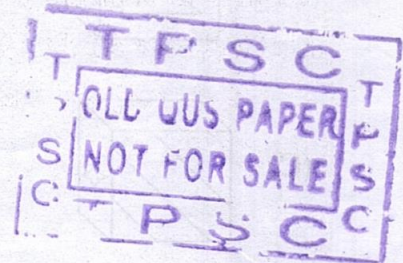


PART – B

21. What does “MRI” stand for ?
(A) Magneto-Ray Idometry
(B) Medical Radiometry Instrument
(C) Magnetic Resonance Imaging
(D) Maximal Radiology Imaging
22. Who is the Project director of Chandrayaan-3 mission ?
(A) K. Swan
(B) Ritu Karidhal
(C) S. Somnath
(D) Veeramuthuvel
23. Which country supplies ‘Apache’ attack helicopters to India ?
(A) Japan
(B) USA
(C) Russia
(D) France
24. Which of the following vitamins helps in blood clotting ?
(A) Vitamin A
(B) Vitamin C
(C) Vitamin D
(D) Vitamin K
25. Special Drawing Rights (SDRs) is related to
(A) RBI
(B) IMF
(C) WTO
(D) WB
26. If ‘dust’ is called ‘air’, ‘air’ is called ‘fire’, ‘fire’ is called ‘water’, ‘water’ is called ‘colour’, ‘colour’ is called ‘rain’, and ‘rain’ is called ‘dust’, then where do fish live ?
(A) Fire
(B) Water
(C) Colour
(D) Dust



27. Which organisation has the responsibility of formulating the Monetary Policy of India ?
- (A) RBI (B) Government of India
(C) Commercial Banks (D) State Government
28. How many 3's are there in the given sequence, each of which immediately preceded by an odd digit but not immediately followed by an even digit ?
4 5 8 3 4 6 2 5 3 7 9 8 1 0 2 3 4 9 6 8 1 3 5 5
- (A) None (B) One
(C) Two (D) Three
29. If 15th November of 2002 was Wednesday, what was the day on 27th October of 2003 ?
- (A) Wednesday (B) Saturday
(C) Friday (D) None of these
30. After walking 6 meters, Yogesh turned right and covered a distance of 2 meters, then turned left and covered a distance of 10 meters. If in the end, he was facing towards the North, then towards which direction did Yogesh start his journey ?
- (A) West (B) East
(C) North (D) South
31. In a certain code language HEAR is written as 160. How will BORN be written in that same code language ?
- (A) 180 (B) 245
(C) 300 (D) 210



32. Find the value of $\sqrt{1053 - \sqrt{860 - \sqrt{378 - \sqrt{289}}}}$.

(A) 36

(B) 38

(C) 34

(D) 32

33. The sum of the additive inverse and multiplicative inverse of $\frac{1}{5}$ is

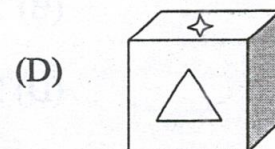
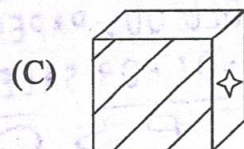
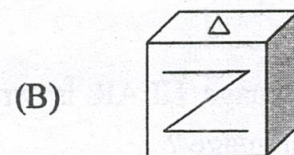
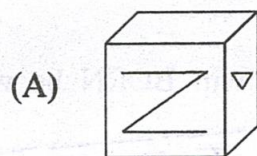
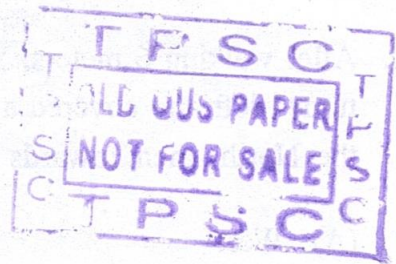
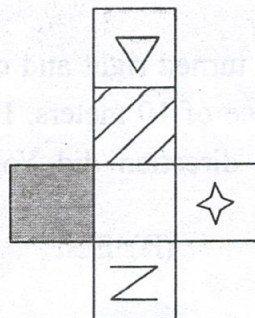
(A) $\frac{24}{5}$

(B) $-\frac{24}{5}$

(C) 25

(D) - 25

34. Select a box from the options that is similar to the box formed when the sheet of paper is folded to form a box.



35. At the end of business conference the ten people present all shake hands with each other once. How many handshakes will there be together ?

(A) 20

(B) 55

(C) 45

(D) 90

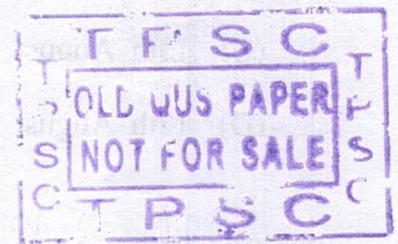
36. Your friends like smoking and influence you to do the same. You will

(A) smoke only because your friends are smoking

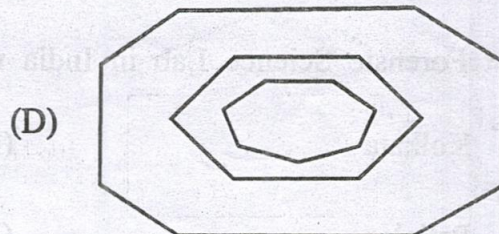
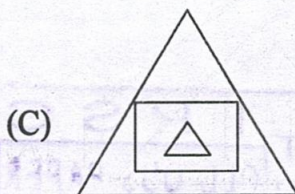
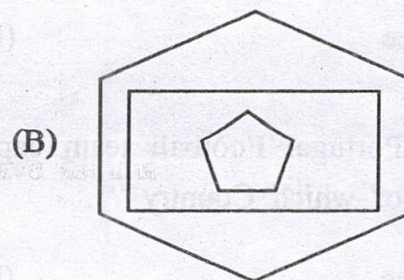
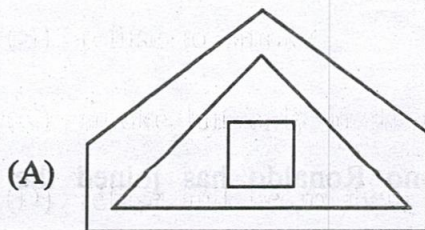
(B) refuse to smoke

(C) smoke but only in their presence

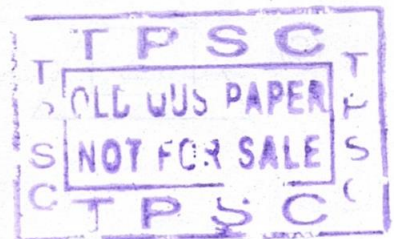
(D) refuse and lie to them that you have asthma



37. Select the odd one out.



38. What is the name of earth observing satellite to be launched in 2024, developed jointly by NASA and ISRO ?
- (A) EOS-04 (B) Cartosat-3
- (C) NISAR (D) SARAL
39. The time period for which the 'Har Ghar Tiranga' Campaign was organised during the year 2022 ?
- (A) 10th August to 15th August
- (B) 12th August to 15th August
- (C) 13th August to 15th August
- (D) 12th August to 16th August
40. Which Country has re-entered UNESCO ?
- (A) USA (B) India
- (C) France (D) Italy
41. In 2023, Portugal Football team captain Cristiano Ronaldo has joined the Club At Nassr of which Country ?
- (A) France (B) Saudi Arabia
- (C) Yemen (D) Qatar
42. First Forensic Science Lab in India was established at
- (A) Kolkata (B) Mumbai
- (C) Patiala (D) Agra



43. Starlink Internet services is owned by the entrepreneur

(A) Bill Gates

(B) Mark Zuckerberg

(C) Steve Jobs

(D) Elon Musk

44. Tripura is the _____ smallest State of India.

(A) Second

(B) Third

(C) Fourth

(D) Fifth

45. The World Bank has announced a halt on new public finance project in which country after its Anti-Homosexuality Act ?

(A) Afghanistan

(B) Iran

(C) Israel

(D) Uganda

46. Which Article of Indian Constitution deals with the 'Right to freedom of speech and expression' ?

(A) Article 12

(B) Article 14

(C) Article 19

(D) Article 22

47. Which State's living root bridges are a part of UNESCO World Heritage sites list ?

(A) Meghalaya

(B) Nagaland

(C) Mizoram

(D) Manipur

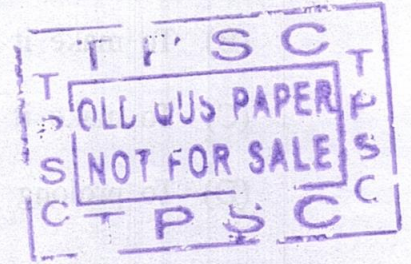
48. Which river of Tripura carries the highest annual flow ?

(A) Manu

(B) Gumti

(C) Khowa

(D) Dhalai



49. A genetically engineered form of eggplant known as Bt. eggplant has been developed for what propose ?

- (A) To improve its taste and nutritional values
- (B) To make it resistant to drought
- (C) To make it resistant to pests
- (D) To prolong one's own life

50. With which country India has started 'Bilateral trade' in Rupees recently ?

- (A) Bangladesh
- (B) China
- (C) Pakistan
- (D) Sri Lanka .

